

In the Claims:

1. (currently amended) A conformable skin element system comprising one or more conformable skin elements, each skin element forming a pressure transducer and flow modifier, a controller, connections for coupling the conformable skin elements and the controller, a feedback control loop for generating and transmitting signals between the skin elements, the controller and the connections for conforming the skin elements to desired deformations.

2-7. (original).

8-14. (withdrawn).

15. (original).

16. (withdrawn).

17-35. (original).

36. (currently amended) The apparatus of claim 31, further comprising wires communicating with the skin elements, the feedback loop, and the micro-controller for conducting voltage to the skin elements and for transmitting pressure signals from the skin element via the feedback loop to the micro-processor.

37. (currently amended) The apparatus of claim 31, further comprising mounts on the surface for mounting the skin elements.

38-39. (withdrawn).

40-47. (original).